

Serial No.: 10/056,789
Art Unit: 2155

Attorney's Docket No.: VTX0160-US
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Amendments to the Drawings:

The attached sheet of drawings includes changes to Fig. 4. This sheet, which includes Fig. 4, replaces the original sheet including Fig. 4

Attachment: Replacement Sheet

REMARKS

Reconsideration of this application is respectfully requested in view of the foregoing amendment and the following remarks.

Claims 1-12 were pending in this application. Claims 1 and 5-10 have been amended and claim 13 has been added. Accordingly, claims 1-13 will be remained pending herein upon entry of this Amendment, of which claims 1 and 10 are independent claims. The amendments have support in the specification at, for example, page 13, lines 12-19. For the reasons stated below, Applicant respectfully submits that all claims pending in this application are in condition for allowance.

In the Office Action, claims 1-8 and 10-12 were rejected because of informalities. Claims 1-8 were rejected under 35 U.S.C. §102(b) as being anticipated by or, in the alternative, under 35 U.S.C. §103(a) as obvious over U.S. Patent No. 5,818,852 to Kapoor ("Kapoor".) Claims 9-12 were rejected under 35 U.S.C. §103(a) as being unpatentable over Kapoor in view of Admitted Prior Art ("APA".) Furthermore, Figure 4 was objected to for failing to be designated by a legend such as --Prior Art--. To the extent these grounds of rejection might still be applied to claims presently pending in this application, they are respectfully traversed.

Applicant has amended the informalities of claims 1 and 10. The amendments further recite "unacknowledgement" features in claims 1 and 10. For example, amended claim 1 recites determining that the message has been correctly communicated when the message integrity field value of the stored subpackets corresponds to the transmitted message integrity field without sending back an acknowledge signal and amended claim 10 recites that the data within the

correctly received long length data packet is subsequently processed by the receiver without sending an acknowledge signal back to the transmitter.

In the present invention, the plurality of subpackets are transmitted multiple times. A receiving section determines that all of the plurality of subpackets are successfully received by calculating and comparing a message integrity field value contained in the received subpackets with a transmitted message integrity field. Once it is determined that all of the plurality of subpackets are successfully received, the receiving section processes the subpackets without the need of sending back an acknowledge packet. It is believed that Kapoor fails to teach or suggest the "unacknowledged" feature as recited in amended claims 1 and 10.

As described in the Abstract section of Kapoor, if there are errors in the data packet, the receiver then stores error-free subframes in a memory and does not send an acknowledge packet. Without receiving the acknowledge packet, the transmitter will retransmit the same data packet. If after all the subframes of the data packet have received and there are no errors in the data packet, the receiver transmits the acknowledge packet to a transmitter so that the transmitter stops retransmitting the same data packet.

Furthermore, Kapoor does not teach how information from one source can be sent to a plurality of receivers. As described in Figure 2 of Kapoor, data packet 130 is sent to each receiver a plurality of times. As Kapoor requires that each receiver sends an acknowledge packet to the transmitter when all of the subpackets are received without errors, it is quite possible that the acknowledge packets from different receivers collides or retransmission of subframes that are meant for different receivers collide.

Because the different concepts between Kapoor and the present invention as described above, the method of Kapoor is better applicable when a transceiver sends subpackets to only one receiver. When applying Kapoor's method in a one-to-multiple transmission (i.e., the plurality of subpackets are sent to a plurality of receivers,) the requirement of sending back acknowledged signals from the plurality of receivers would significantly increase the burden of the transceiver. In such case, the transceiver has to be able to recognize the origin of an received acknowledged signal and to avoid from collision of received acknowledge signals when a plurality of receivers send back acknowledge signals at the same time. Furthermore, it requires more radio bandwidth to transmit the acknowledge signals and the power consumption required to regularly transmit the signals is increased. Therefore, it is impractical to employ the method of Kapoor in a multiple-receiver application.

Accordingly, Applicant respectfully submits that it would not have been obvious for one skilled in the art to modify Kapoor to achieve the present invention. Thus, it is believed that claim 1 is patentable over Kapoor. Furthermore, claims 2-6 and 8-9 should be also patentable at least due to their dependencies from patentable independent claim 1.

As to the rejection of claims 10-12 under 35 U.S.C. §103(a) over Kapoor in view of APA, Applicant respectfully submits that APA also fails to teach or suggest the "unacknowledged" feature. In addition, APA fails to teach or suggest at least a message integrity field included in at least one of the plurality of subpackets, which field is calculated to include compressed information describing data contained within the plurality of subpackets, and a packet completion evaluator which performs a calculation by which a message integrity value

is determined based upon the contents of the memory register; and indicates that a long length data packet has been correctly received when the result of the calculation matches the message integrity field received in the transmitted subpackets, as recited in amended claim 10. As both Kapoor and APA fails to teach or suggest the "unacknowledged" feature, Applicant believes that it would not have been obvious for one skilled in the art to combine Kapoor and APA to achieve the system of amended claim 10.

Accordingly, it is respectfully submitted that claim 10 and its dependent claims 11-12 should be patentable over Kapoor in view of APA.

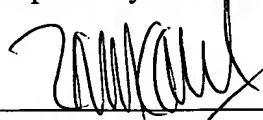
In view of the foregoing all of the claims in this case are believed to be in condition for allowance. Should the Examiner have any questions or determine that any further action is desirable to place this application in even better condition for issue, the Examiner is encouraged to telephone Applicant's undersigned representative at the number listed below.

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Respectfully submitted,

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